

MAR 09 1999

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March 5, 1999

John Schmeltzer, Environmental Engineer
Sites Management Section
Hazardous Materials Management Program
Waste Management Division
Department of Environmental Conservation
Agency of Natural Resources
West Office Building / 103 South Main Street
Waterbury, Vermont 05671-0404

Re: Jones Residence
1016 County Street
Bennington, Vermont
DEC Site #98-2493

Mr. Schmeltzer:

Pursuant to your project review correspondence of November 2, 1998, following is the requested final report regarding the October, 1998 release at the above-referenced site.

As previously reported, approximately 250 to 300 gallons of fuel oil were released into the basement of the residence due to a broken fuel delivery pipe. The basement floor was bare earth, found to be of a top silty material with gravel below. The saturated silty material was excavated, stored onsite in barrels, and following your approval, transported and disposed of by Maxymillian Technologies. Attached is the material shipping record and log for your review. The removed material was replaced with a plastic vapor barrier and clean stone, within which was placed a perforated plastic pipe, which was elbowed up through the concrete slab which was poured on top, for future access if vapor extraction should become necessary. The concrete slab should provide capping sufficient to curtail vapor penetration to the residence. Following this removal and construction, the oil tank and furnace were reconnected.

As previously described, the dwelling is approximately 100 feet from the southerly bank of the Roaring Branch, which is separated from residences along the shore by a buttressed concrete flood wall. All nearby residences are served by municipal water and sewer. The closest residences, being downgradient from the subject property, are mostly mobile homes or trailers, with no evidence of basements which appear to be within a potential contaminant plume.

Prior to your initial site visit, at the suggestion of Marc Coleman, Assistant Hazardous Materials Specialist, a test pit was excavated between the building basement and the flood wall, in the general direction of presumed groundwater flow. The soils were found to be of river gravel with large cobbles. Fuel oil was immediately apparent atop the groundwater which was encountered within the excavation at approximately 14' below ground surface. Fuel oil was observed flowing into the test pit from all directions, indicating that the contaminant migration was beyond the limits of the property available to excavate. The soil composition is highly transmissive, and while the original thought was to attempt to capture the product within excavations or recovery wells, the proposed effort was deemed to be of little

potential success, as it was likely that the product had already escaped beyond the reasonably recoverable area. Accordingly the excavation was refilled.

The flood wall being the only likely entrapment of the product prior to river entrance, visual inspections were made along the flood wall and river edge weekly through the month of November, 1998, and biweekly through the months of December, 1998 and January, 1999. As you know, the Town Health Officer was made aware of the release, and written notification was given to surrounding and downgradient residences.

To date, no evidence of surfacing product has been discovered. Additionally, no information from surrounding residents, nor from sources available to the Health Officer, has been reported. Available information does not lend itself to definition of degree and extent of contamination, however, we do not believe that subsequent monitoring is warranted, due to the extreme likelihood that the product has escaped the monitoring area within the intervening time since the release occurred.

Accordingly, we are closing our file on this matter, however, should you require additional information or clarification, please do not hesitate to contact us.

Respectfully submitted,



Toni M. King, P.E.
Project Engineer

c: Richard Jones
Walter Quillinan, Preferred Adjustment Company, Inc.